

FORM PTO-1390  
(Rev 5-93)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**NITROF P65AUS**

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)  
**10/575447**

INTERNATIONAL APPLICATION NO.

**PCT/FR2004/002600**

INTERNATIONAL FILING DATE

**October 13, 2004**

PRIORITY DATE CLAIMED

**October 23, 2003**

TITLE OF INVENTION

**DEVICE FOR GENERATING A THERMAL FLUX WITH MAGNETO-CALORIC MATERIAL**

APPLICANT(S) FOR DO/EO/US

**Christian MULLER, Jean-Louis DUPIN and Jean-Claude HEITZLER**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau. (PCT/IB/308 mailed May 12, 2005)
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)) is attached.
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 with PTO/SB/08a/08b.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification w/Marked-Up Version of Amended Specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☐ Other items or information:
 

|   |   |
|---|---|
| <input type="checkbox"/> Preliminary Examination Report<br><input type="checkbox"/> Annexes to Pre. Ex. Rep.<br><input type="checkbox"/> International Search Report<br><input type="checkbox"/> German Novelty Search Report<br><input type="checkbox"/> 5 copies of citations<br><input type="checkbox"/> Form PCT/IB/308<br><input type="checkbox"/> International Publ. No. WO 2005/043052 (Face page only) | <input type="checkbox"/> Copy of Request<br><input type="checkbox"/> Submission of Formal Drawings<br><input type="checkbox"/> 5 sheets of formal drawings<br><input type="checkbox"/> Abstract<br><input type="checkbox"/> Applicant Claims Small Entity Status<br><input type="checkbox"/> Copy of Notification of File Missing Parts<br><input type="checkbox"/> German Language Specification |
|---|---|

**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this Transmittal Letter and the papers indicated as being transmitted therewith is being deposited with the United States Postal Service on this date **April 12, 2006** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EV 681474977 US** addressed to the: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

**Michael J. Bujold**

(typed or printed name of person mailing paper)

(signature of person mailing paper)

17. ☐ The following fees are submitted:**Basic National Fee (37 CFR 1.492(a)(5):**

Search Report has been prepared by the EPO or JPO ..... \$1000.00

International preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(1) .. \$750.00

No international preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(2)  
but international search fee paid to USPTO (37 CFR 1.445(a)(2)). ..... \$790.00Neither international preliminary examination fee (37 CFR 1.492)(a)(3)  
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$1,110.00International preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(4)  
and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

CALCULATIONS

PTO USE ONLY

IAP9 Rec'd PCT/PTO 12 APR 2005

900

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months  
from the earliest claimed priority date (37 CFR 1.492(e)).

0

| Claims                                      | Number Filed | Number Extra | Rate       |     |  |
|---|--------------|--------------|------------|-----|--|
| Total Claims                                | 25-20 =      | 5            | x \$ 50.00 | 250 |  |
| Independent Claims                          | 1-3 =        | 0            | x \$200.00 | 0   |  |
| Multiple dependent claim(s) (if applicable) |              |              | + \$360.00 | 0   |  |

TOTAL OF ABOVE CALCULATIONS =

1150

Reduction by 1/2 for filing by small entity, if applicable. **Applicant Claims Small Entity Status.** (Note 37 CFR 1.9, 1.27, 1.28).

575

SUBTOTAL =

575

Processing fee of \$130.00 for furnishing the English translation later the ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(f)).

+

0

TOTAL NATIONAL FEE =

0

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property

+

0

TOTAL FEES ENCLOSED =

575

Amount to be:  
refunded

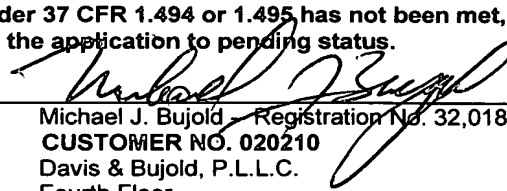
\$

charged

\$

a. ☐ A check in the amount of \$ 575 to cover the above fees is enclosed.b. ☐ Please charge my Deposit Account No. 04-0213 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
Deposit Account No. 04-0213. A duplicate copy of this sheet is enclosed.**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

  
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Christian MULLER, Jean-Louis DUPIN and Jean-  
Claude HEITZLER  
Serial no. :  
Filed : with an effective filing date of October 13, 2004  
For : DEVICE FOR GENERATING A THERMAL FLUX  
WITH MAGNETO-CALORIC MATERIAL  
Group Art Unit :  
Examiner :  
Docket : NITROF P65AUS

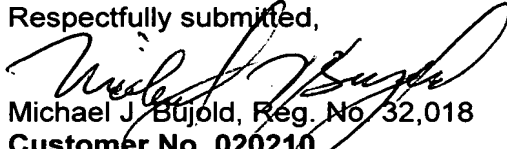
The Commissioner for Patents  
U.S. Patent & Trademark Office  
P. O. Box 1450  
Alexandria, VA 22313-1450

**SUBMISSION OF FORMAL DRAWINGS**

Enclosed please find five (5) sheets of new formal drawings which are to be entered in this case.

In the event that there are any fee deficiencies or additional fees are payable, please charge the same or credit any overpayment to our Deposit Account (Account No. 04-0213).

Respectfully submitted,



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